. #	Approved For Re	ease-2003/42/04	CIA-RDP81B0	00878R0004U0120U04-6
COMPAN		ENGINGERING	14000	
David	Clark Company Incorpor	CHANGE PROP	OSAL	PROPOSAL NO. CDC-3
DATE 7	7 January 1960	AFFECTS	WSP()	PROJECT E
High Al	titude Pressure Suit	ART OR LOWEST High Altitude		PART NO. & MODEL OR TYPE MA-2
TITIE (OF PROPOSAL: elopment & Production	of Helmet for	Partial Pres	sure Suit
	OF PROPOSAL:			
-	See At	tachment #1		
	•			
		g steppen from the first that the first from the first through a first steppen from the first steppen to the t		
REASON	FOR PROPOSAL:			
	See Att	achment #2		
			•	
		•		;
	TOWN COOK AND MAKE	- THE TOTAL		
ES	ESTIMATED COST AND TIME ADDITIONAL FUNDING REQU			, 1985年1987年 - 1987年1987年1987年1987年1987年1987年1987年1987年
CP	ESTIMATED COST FOR KINADDITIONAL FUNDING REC	********	See Attac	C C
TMENS	ATARROCHEN DE PONDOSATA	M. Profession rate of description outside market representations of the second	THE RESERVE AND PERSONS ASSESSED TO SERVER ASSESSED.	And A should be supply to the supply of the
<u></u>	AFFECTED BY PROPOSAL: 1 Mission Perform Operat	•		
Safety	Effec- ance process	iure change- c	r wg support	nance Life Manual nance
EST.	MAN/HRS. REQ D TO ACCOM	PLISH IN FIELD	2	
SOURC	E OF PARTS FOR KIT			
]	Clark Company Incorp		See A	ttachment #3
DISPO	SITION OF SPARES AFFECTS Returned to	D Air Force Del	pot	rrando de mila Ele sele esprendente de mila desenva ade de la companya est um 10 may 1941 e 76 (aprocada desenva
INITI	TATED BY: David CAPPK COAFPARS	eriori, harvasta (paragraphia in factori aprilia in materia and artifection and a security of the contraction of the contractio	APPROVED.	WSF0 0 987.8RC0 00400120004-6

Approved For Release 2003/12/04: CIA-RDP81B00878R000400120004-6

DAVID CLARK COMPANY

Engineering Change Proposal CDC-3

7 January 1960

Attachment #1

Nature of Proposal

- Type MA-2 High Altitude Helmet without change of associated protective garments.
- Facepiece seal and locking pneumatic ring will be connected by non-kinking, non-collapsible, one-quarter inch hose to the upstream side of the seat pack oxygen inlet check valve. The sealing ring will operate at any pressure in range of forty five to one hundred p.s.i. Seal pressure hose will be routed immediately adjacent to present oxygen mask delivery hose.

Engineering Change Proposal CDC-3
7 January 1960

Attachment #2

Reason for Proposal

- a. Helmet would provide an integrated facepiece which would enhance operational capability and safety by providing easy and positive opening and closing of the facepiece without detachment of this item.
- b. Helmet would provide an integrated sun shield and facepiece guard.
- c. Inner head harness is integral and supported by the hard shell and can be adjusted by the wearer during normal wear.
- d. Improved comfort to the wearer in the glottis area due to improved design of the neck seal skirt.
- e. Improved maintenance capability by eliminating critical facepiece seal required on bladder and cover assembly, or 5-692 Cover and Bladder Assembly.
- f. Improved maintenance capability by eliminating potential helmet bladder puncture by helmet hold-down attachments.
- g. Improved inhalation and exhalation valve arrangement. New type exhalation valve provides opportunity for emergency control of exhalation valve if stuck open under pressure.

Attachment #1

Reason for Proposal (continued)

h. Improved windblast protection resulting from integral design of facepiece and helmet shell.

Engineering Change Proposal GDC-3
7 January 1960

25X1

25X1

Attachment #3

1	Item One - Production Sample Helmet				
Ş	Scope of Work				
ť	used wit	turrent David Clark Company Model S-880 Helmet h the A/P-22S-2 full pressure suit so that it will be ble with the partial pressure suits utilized on the			
S	Specific areas of modification are as follows:				
	1.	Modify helmet mold to delete neck bearing, and provide for attachment of neck seal skirt.			
	11.	Redesign the S-692 Helmet Bladder and Case Assembly neck seal shirt to adapt to the hard shell made from the mold in "I" above			
	Mil.	Redesign the helmet suspension so that the face seal can be eliminated without affecting support and adjustability.			
	IV.	Provide for mounting the inspiratory and expiratory valves, hose connectors, electrical and communications leads.			
	V.	Provide conductive conted face plate for normal and emergency face plate heat.			
10	em Two	- Thirty (30) to fifty (50) each Production Helmets			

Attachment #3

b. Estimated Delivery

Item One - Sixty (60) days from date of authorization to proceed with ECP.

Item Two - First ten (10) helmets sixty (60) days from date of authorization to proceed with Item Two.

Additional twenty (20) helmets sixty (60) days from date of delivery of first ten (10).

Additional twenty (20) helmets likity days from date of delivery of above quantity of twenty (20).